



# **NRC Perspective: 2013 TRTR Conference**

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# Key NRC Priorities

- **Fukushima**
- **Waste Confidence (ML131224A106)**
- **Cyber Security (10 CFR 73.54)**
- **Cumulative Effects of Regulations**
- **Small Modular Reactors**
- **Safety Culture**

# Budget, Hiring, and Grants

- **Budget and Sequestration**
- **NSPDP and 2014 summer vacancy is posted on USAjobs**
  - Summer internship posting closes the 18<sup>th</sup> of November
  - NSPDP closes the 19<sup>th</sup> of November
- **Grants webpage:**  
<http://www.nrc.gov/about-nrc/grants.html>

# Types of Grants Awarded in 2013

- **Scholarships**
  - For undergraduate students; Max \$10,000 each
  - 2 years/up to \$200,000 to the institution
- **Fellowships**
  - For graduate students; Max \$50,000 each
  - 4 years/up to \$400,000 to the institution
- **Faculty Development**
  - For probationary, tenure-track faculty during the first 6 years of their career and new faculty hires
  - 3 years / up to \$600,000 to the institution  
(\$450,000 from NRC; \$150,000 institution match)

# **FY 2013 Grant Awards**

- **48 TOTAL AWARDS:**
  - **12** Scholarships
  - **17** Fellowships
  - **7** Trade School/Community College Scholarships
  - **12** Faculty Development
- **Awards posted to Grants webpage:**
  - <http://www.nrc.gov/about-nrc/grants/awards.html>

## **Plans for FY 2014**

- **FY 2013 grants were issued on August 1, 2013;  
Curriculum grants were not awarded due to sequester**
- **Funding is uncertain for FY 2014---The deadline has not been established. The announcement will probably be posted on grants.gov in October; deadline will be 30-60 days later.**
- **Current FY 2014 House budget language includes direction to NRC to fund \$15M for the all but curriculum grants**
- **FY 2014 may be affected by a proposed Federal Reorganization of STEM Education**
  - Includes NRC's scholarships, fellowships, and curriculum development grant programs (may not include faculty development)**

# Focus Areas

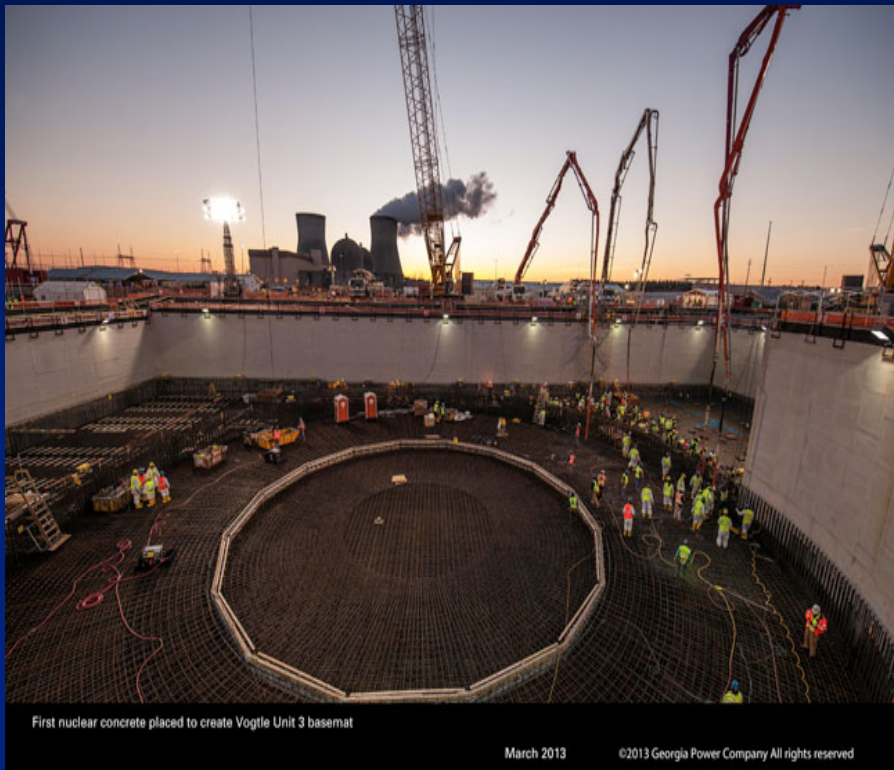
## Special Interest Facilities



- San Onofre
- Fort Calhoun
- Honeywell
- Palisades
- Kewaunee/ Crystal River
- Vogtle/Summer



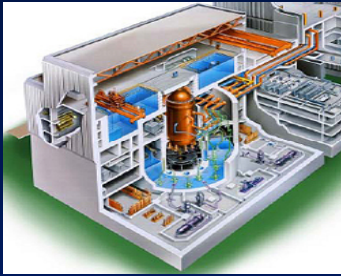
# Vogtle and Summer Concrete Pour



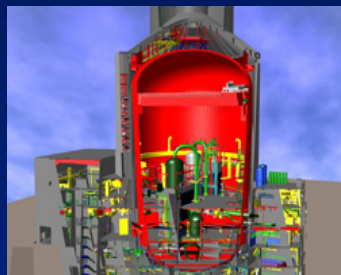
**Summer - Concrete Pumps Placement**



# New Nuclear Plant Construction and Licensing Activities Worldwide



ABWR

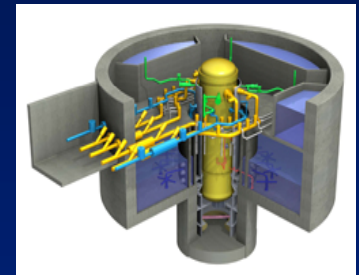


AP1000

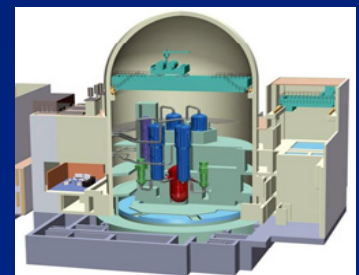


EPR

- Construction and licensing of new nuclear power plants worldwide
- New reactor licensing and construction in the U.S.
  - Licensing Process
  - Status of Licensing
  - Construction activities and Oversight



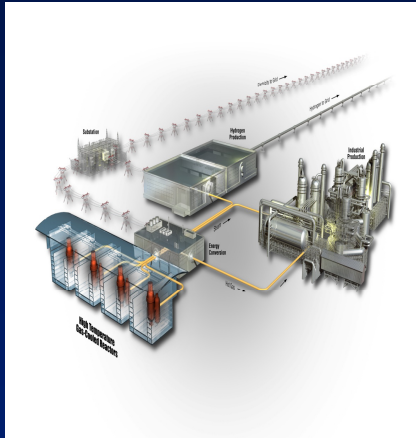
ESBWR



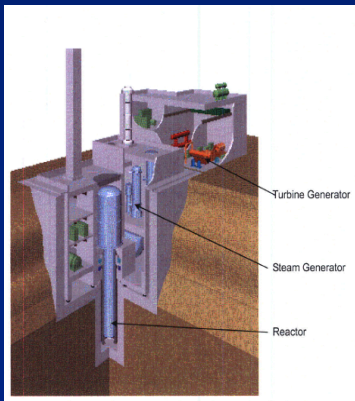
USAPWR

# Advanced Reactors

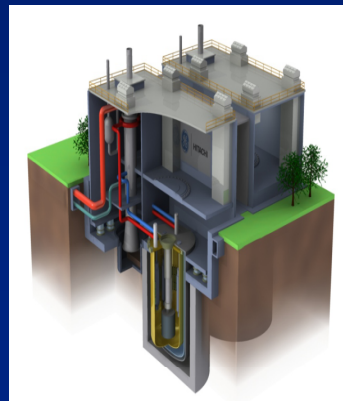
## Non-Light Water Reactors



**Liquid Metal Reactors**



**4S**

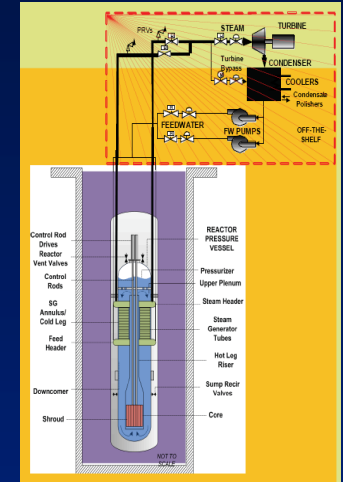


**PRISM**

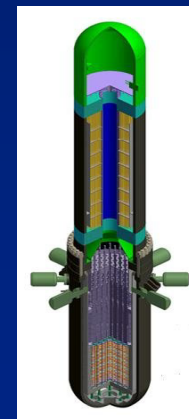
## iPWR Designs



**B&W mPower**



**NuScale**



**Westinghouse  
SMR**



**Holtec  
SMR-160<sup>10</sup>**

# International Security

- Nuclear Security Summits 2010 & 2012
- Int'l Conference on Nuclear Security 2013
- Int'l Physical Protection Advisory Service
- Safety and Security Interface



